

Application Number	10/799,977- GAU: 3774
Filing Date	March 12, 2004
First Named Inventor	Miller, Richard L.
Art Unit	3736
Examiner Name	Unknown
Attorney Case Number	58515US004

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US- 3,314,941	04-18-1967	Littell et al.	
	A2	US- 4,689,338	08-25-1987	John F. Gerster	
	A3	US- 4,698,348	10-06-1987	John F. Gerster	
	A4	US- 4,929,624	05-29-1990	Gerster et al.	
	A5	US- 4,988,815	01-29-1991	Andre et al.	
	A6	US- 5,037,986	08-06-1991	John F. Gerster	
	A7	US- 5,175,296	12-29-1992	Gerster	
	A8	US- 5,238,944	08-24-1993	Wick et al.	
	A9	US- 5,266,575	11-30-1993	John F. Gerster	
	A10	US- 5,268,376	12-07-1993	John F. Gerster	
	A11	US- 5,346,905	09-13-1994	John F. Gerster	
	A12	US- 5,352,784	10-04-1994	Nikolaides et al.	
	A13	US- 5,367,076	11-22-1994	Gerster	
	A14	US- 5,389,640	02-14-1995	Gerster et al.	
	A15	US- 5,395,937	03-07-1995	Nikolaides et al.	
	A16	US- 5,446,153	08-29-1995	Lindstrom et al.	
	A17	US- 5,482,936	01-09-1996	Kyle J. Lindstrom	
	A18	US- 5,693,811	12-02-1997	Lindstrom	
	A19	US- 5,741,908	04-21-1998	Gerster et al.	
	A20	US- 5,756,747	05-26-1998	Gerster et al.	
	A21	US- 5,939,090	08-17-1999	Beaurline et al.	
	A22	US- 6,039,969	03-21-2000	Tomai et al.	
	A23	US- 6,069,149	05-30-2000	Nanba et al.	
	A24	US- 6,083,505	07-04-2000	Miller et al.	
	A25	US- 6,110,929	08-29-2000	Gerster et al.	
	A26	US- 6,194,425	02-27-2001	Gerster et al.	
	A27	US- 6,245,776	06-12-2002	Skwierzynski et al.	
	A28	US- 6,331,539	12-18-2001	Crooks et al.	

*Examiner:

Date Considered:

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH.

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		Doc. Number-(Kind Code if Known)			
	A29	US- 6,376,669	04-23-2002	Rice et al.	
	A30	US- 2002/0055517 A1	05-09-2002	Smith	
	A31	US- 2002/0058674 A1	05-16-2002	Hedenstrom et al.	
	A32	US- 6,451,810	09-17-2002	Coleman et al.	
	A33	US- 6,518,265	02-11-2003	Kato et al.	
	A34	US- 6,525,064	02-25-2003	Dellaria et al.	
	A35	US- 6,541,485	04-01-2003	Crooks et al.	
	A36	US- 6,545,016	04-08-2003	Dellaria et al.	
	A37	US- 6,545,017	04-08-2003	Dellaria et al.	
	A38	US- 6,558,951	05-06-2003	Tomai et al.	
	A39	US- 6,573,273	06-03-2003	Crooks et al.	
	A40	US- 6,656,938	12-02-2003	Crooks et al.	
	A41	US- 6,660,735	12-09-2003	Crooks et al.	
	A42	US- 6,660,747	12-09-2003	Crooks et al.	
	A43	US- 6,664,260	12-16-2003	Charles et al.	
	A44	US- 6,664,264	12-16-2003	Dellaria et al.	
	A45	US- 6,664,265	12-16-2003	Crooks et al.	
	A46	US- 6,667,312	12-23-2003	Bonk et al.	
	A47	US- 6,670,372	12-30-2003	Charles et al.	
	A48	US- 6,677,347	01-13-2004	Crooks et al.	
	A49	US- 6,677,348	01-13-2004	Heppner et al.	
	A50	US- 6,677,349	01-13-2004	Griesgraber	
	A51	US- 6,683,088	01-27-2004	Crooks et al.	
	A52	US- 2002/0016332 A1	02-07-2002	Slade	
	A53	US- 2002/0110840 A1	08-15-2002	Tomai et al.	
	A54	US- 2003/0130299 A1	07-10-2003	Crooks et al.	
	A55	US- 2003/0133913 A1	07-17-2003	Tomai et al.	
	A56	US- 2003/0139364 A1	07-24-2003	Krieg et al.	

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		Doc. Number-(Kind Code if Known)			
	A57	US- 2003/0161797 A1	08-28-2003	Miller et al.	
	A58	US- 2003/0199538 A1	10-23-2003	Skwierczynski et al.	
	A59	US- 2003/0232852 A1	12-18-2003	Lindstrom et al.	
	A60	US- 2004/0010007	01-15-2004	Dellaria et al.	
	A61	US- 2004/0014779	01-22-2004	Gorden et al.	

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
	B1	PCT	WO 02/36592	05-10-2002			X
	B2	PCT	WO 03/103584	12-18-2003			
	B3	JP	9-208584	08-12-1997			
	B4	JP	9-255926	03-26-1999			X
	B5	JP	11-222432	08-17-1999			X
	B6	JP	2000-247884 (abs)	09-12-2000			X
	B7	EP	0 394 026	10-24-1990			
	B8	EP	1 104 764	06-06-2001			

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	Wozniak, et al, "The Amination of 3-nitro-1, 5-naphthyridines by Liquid Ammonia/Potassium Permanganate ^{1,2} . A New and Convenient Amination Method.", <u>Journal of the Royal Netherlands Chemical Society</u> , 102, pp 511-513, December 12, 1983.
	C2	Brennan, et al, "Automated Bioassay of Interferons in Micro-test Plates", <u>Biotechniques</u> , June/July, 78, 1983.
	C3	Testerman, et al., "Cytokine Induction by the Immunomodulators Imiquimod and S-27609", <u>Journal of Leukocyte Biology</u> , Volume 58, pp. 365-372, September 1995.
	C4	Bachman, et al, "Synthesis of Substituted Quinolylamines. Derivatives of 4-Amino-7-Chloroquinoline", <u>J. Org. Chem.</u> , 15, pp 1278-1284 (1950).
	C5	Jain, et al, "Chemical and Pharmacological Investigations of Some ω -Substituted Alkylamino-3-aminopyridines", <u>J. Med. Chem.</u> , 11, pp 87-92 (1968).
	C6	Baranov, et al., <u>Chem. Abs.</u> 85, 94362, (1976).

*Examiner:

Date Considered:

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	C7	Berényi, et al, "Ring Transformation of Condensed Dihydro-as-triazines", <u>J. Heterocyclic Chem.</u> , 18, pp 1537-1540 (1981).
	C8	Chollet, et al, "Development of a Topically Active Imiquimod Formulation", <u>Pharmaceutical Development and Technology</u> , 4(1), pp 35-43 (1999)
	C9	Izumi, et al., "1H-Imidazo[4,5-c]quinoline Derivatives as Novel Potent TNF- α Suppressors: Synthesis and Structure-Activity Relationship of 1-, 2- and 4-Substituted 1H-imidazo[4,5-c]pyridines", <u>Bioorganic & Medicinal Chemistry</u> , 11, pp 2541-2550 (2003)
	C10	Hornung et al., "Quantitative Expression of Toll-Like Receptor 1-10 mRNA in Cellular Subsets of Human Peripheral Blood Mononuclear Cells and Sensitivity to CpG Oligodeoxynucleotides ¹ ", <u>The Journal of Immunology</u> , 2002, 168; pgs. 4531-4537.
	C11	Hemmi et al., "Small anti-viral compounds activate immune cells <i>via</i> the TLR7 MyD88-dependent Signaling pathway", <u>Nature Immunology</u> , vol. 3, no. 2; February 2002; pgs. 196-200.
	C12	Medzhitov, "Toll-Like Receptors and Innate Immunity", <u>Nature Reviews Immunology</u> , Vol. 1; November 2001, pgs. 135-145.
	C13	Jurk et al. "Human TLR7 and TLR8 independently confer responsiveness to the antiviral compound R-848", <u>Nature Immunology</u> , June 2002, vol. 3, no. 6; pg. 1.
	C14	Akira et al., "Toll-like receptors: critical proteins linking innate and acquired immunity", <u>Nature Immunology</u> , August 2001, vol. 2, no. 8; pgs. 675-680
	C15	Heil et al.; "Synthetic immunostimulatory compounds activate immune cells via TLR7 and TLR8"; 33th Annual Meeting of the Deutsche Gessellschaft für Immunologie, Marburg 2002 - Abstract C.6

*Examiner:

/William Matthews/

Date Considered:

05/22/2009

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Information Disclosure Statement — PTO-1449 (Modified)

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